

FIG.1

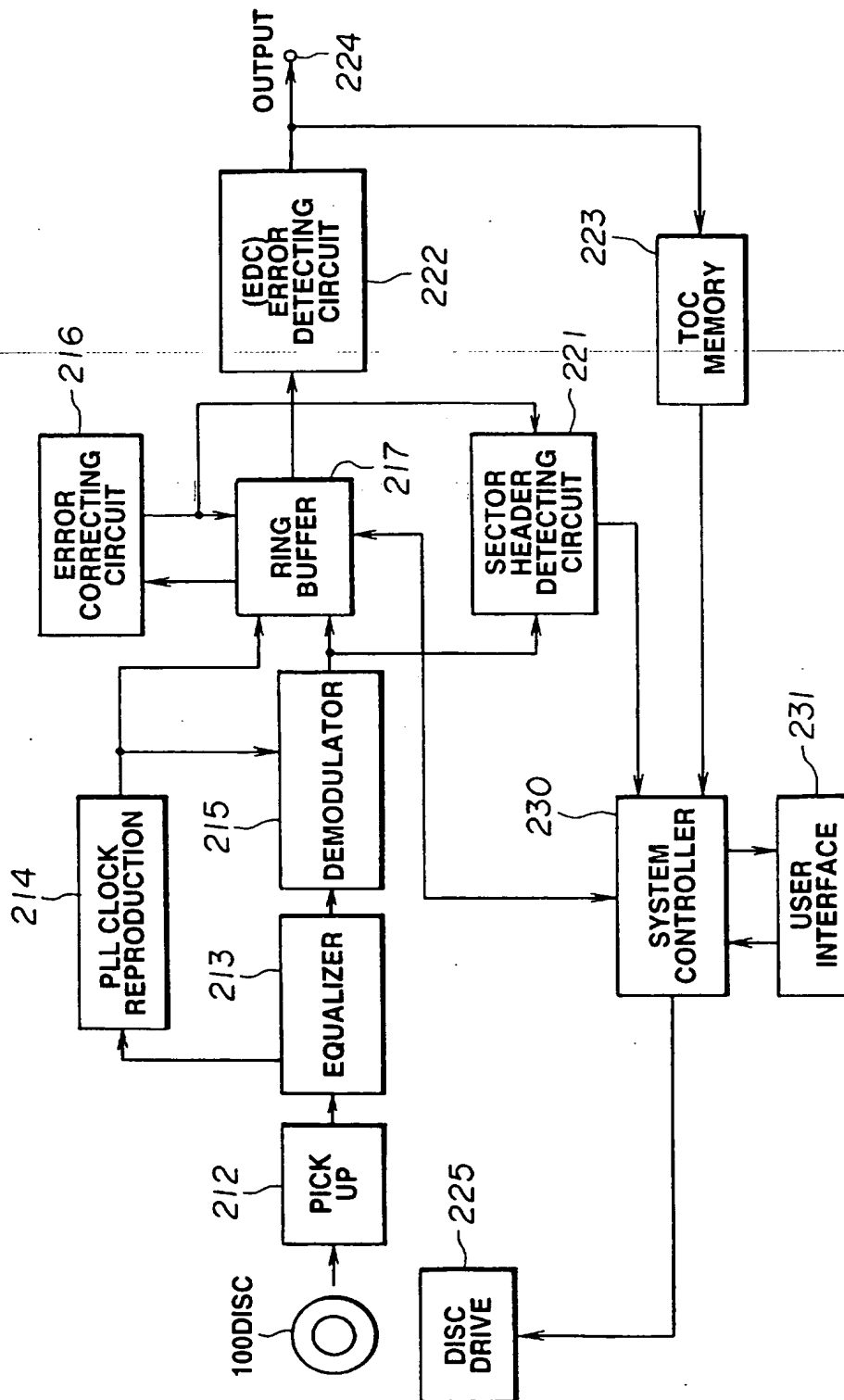


FIG. 2



**VARIABLE POSITION** 

**FIG.3**

[illegible]

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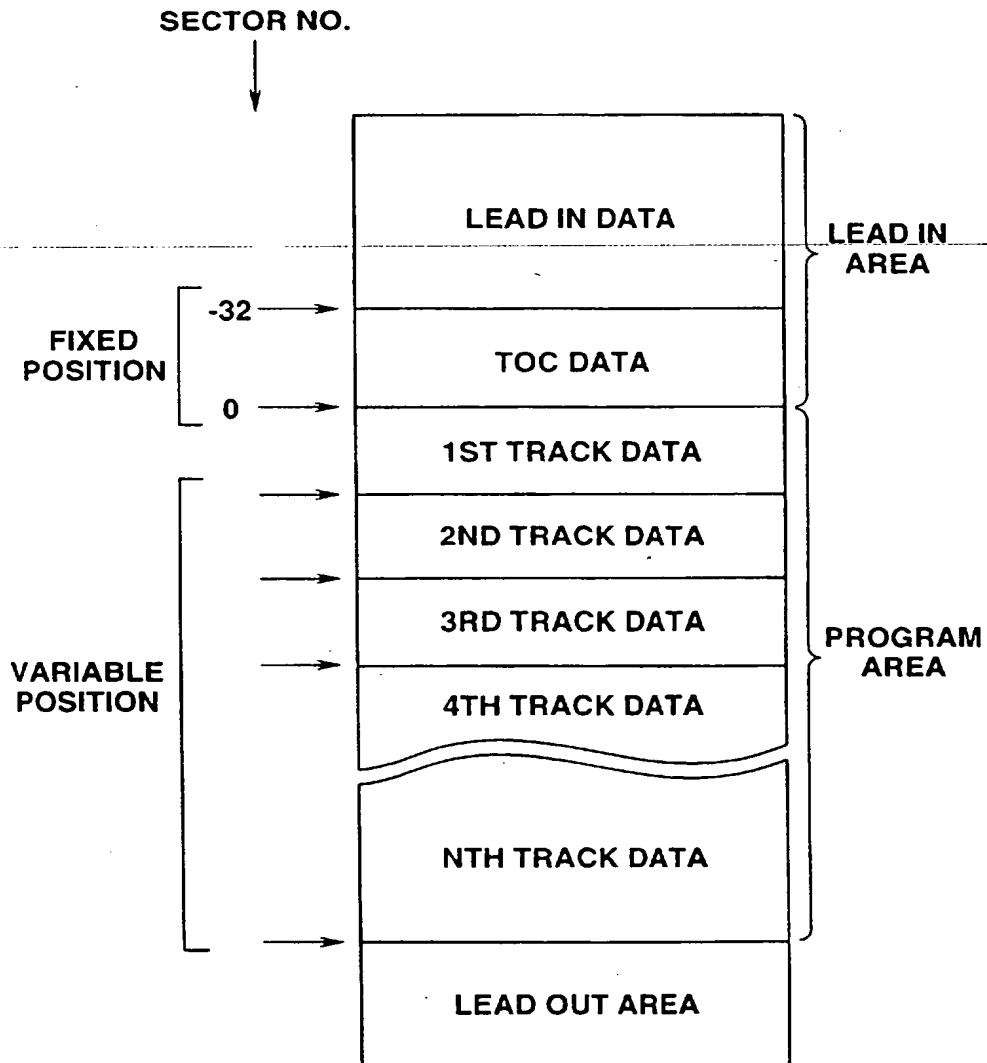


FIG.4

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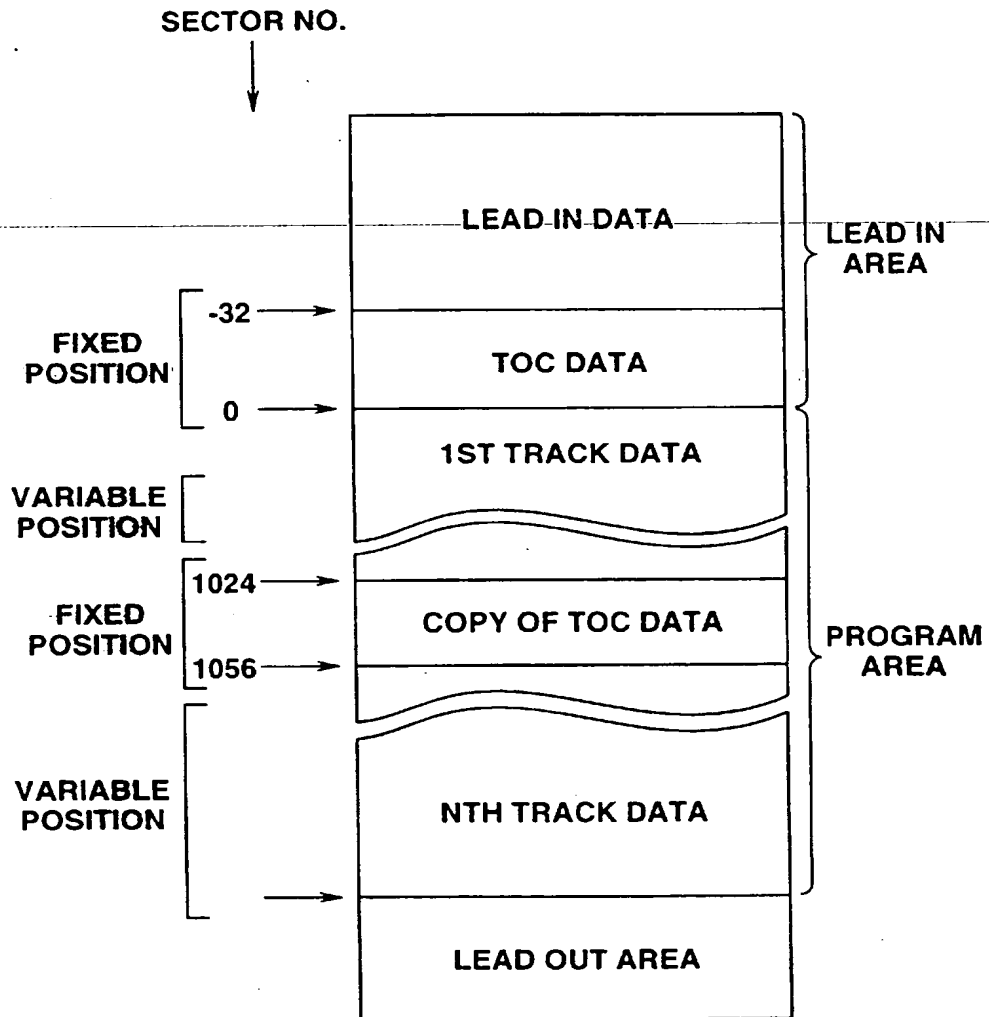


FIG.5

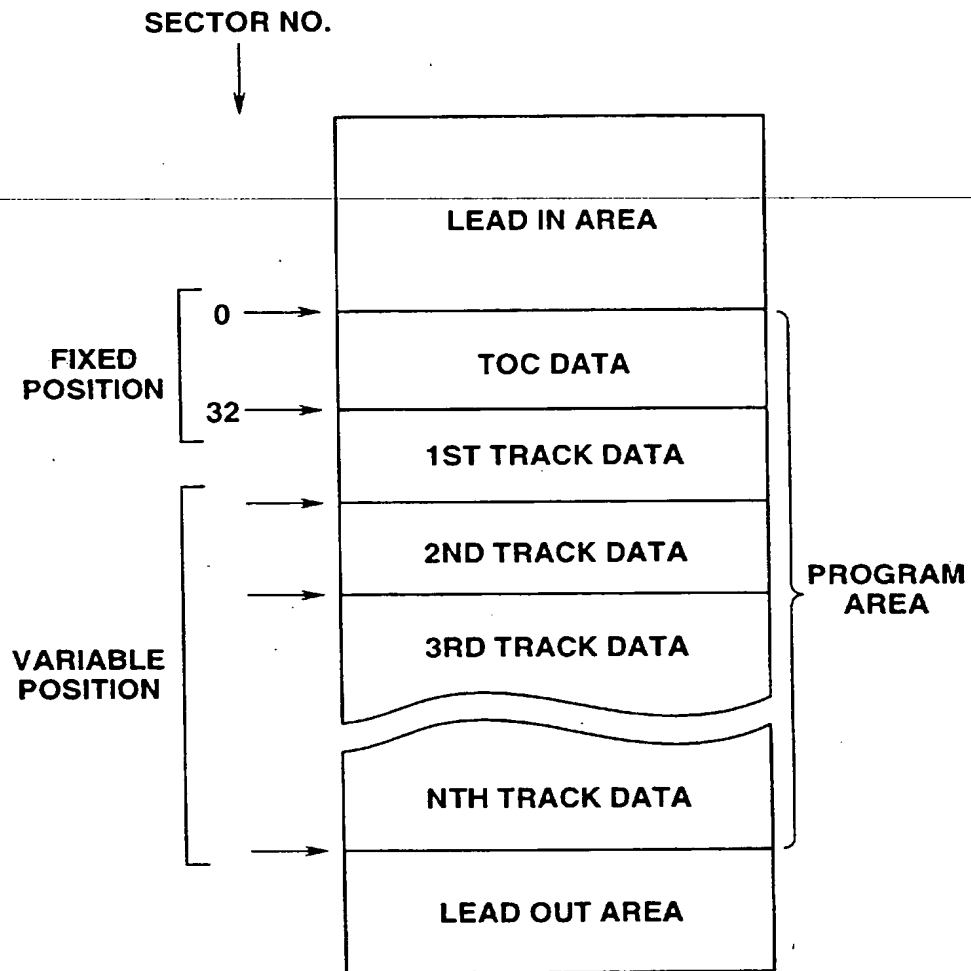


FIG.6

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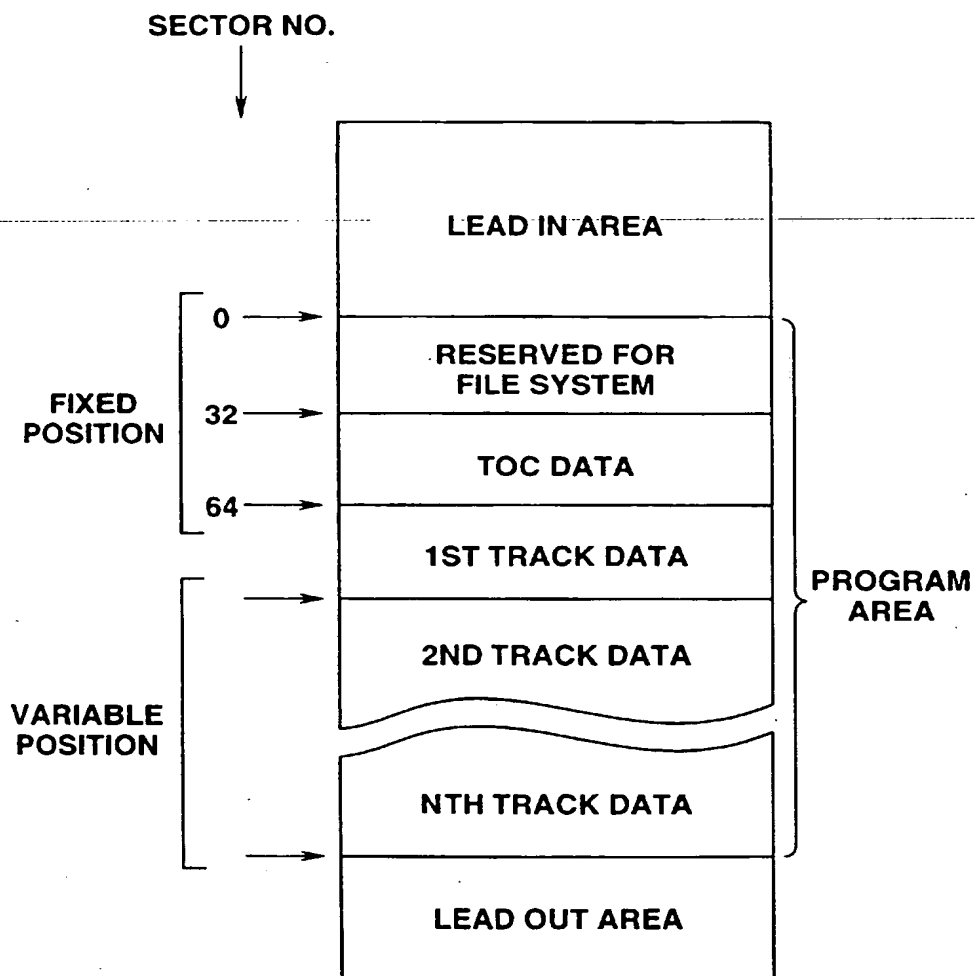


FIG.7

## CONTENTS OF SPEED SETTING

|      |                     |
|------|---------------------|
| 0    | NO REAL TIME DATA   |
| 1    | FIXED RATE (×1)     |
| 2    | FIXED RATE (×2)     |
| 3    | FIXED RATE (×3)     |
| 4    | RESERVED            |
| 5    | RESERVED            |
| 6    | FIXED RATE (×6)     |
| 7~FE | RESERVED            |
| FF   | VARIABLE RATE (~×6) |

FIG.8

## DATE &amp; TIME FORMAT

| FIELD NAME         | BITS |
|--------------------|------|
| YEAR (4 DIGITS)    | 16   |
| MONTH (2 DIGITS)   | 8    |
| DAY (2 DIGITS)     | 8    |
| HOURS (2 DIGITS)   | 8    |
| MINUTES (2 DIGITS) | 8    |
| SECONDS (2 DIGITS) | 8    |
| TOTAL              | 56   |

FIG.9

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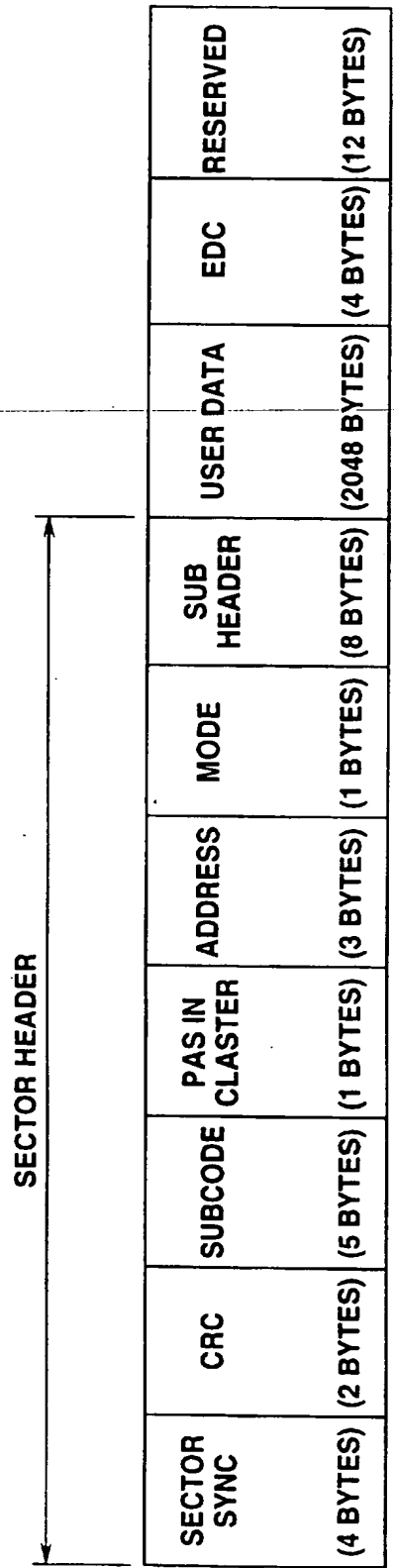


FIG.10

00/020" 98222560

**(A)**

(SUBCODE ADDRESS=0)

| FIELD NAME           | BYTES |
|----------------------|-------|
| SUBCODE ADDRESS (=0) | 1     |
| ZERO DATA (=0)       | 4     |
| TOTAL                | 5     |

**(B)**

(SUBCODE ADDRESS=1)

| FIELD NAME           | BYTES |
|----------------------|-------|
| SUBCODE ADDRESS (=1) | 1     |
| TRACK NUMBER         | 1     |
| COPYRIGHT BYTE       | 1     |
| APPLICATION ID       | 1     |
| ECC TYPE             | 1     |
| TOTAL                | 5     |

**(C)**

(SUBCODE ADDRESS=2)

| FIELD NAME           | BYTES |
|----------------------|-------|
| SUBCODE ADDRESS (=2) | 1     |
| TIME CODE            | 4     |
| TOTAL                | 5     |

**(D)**

(SUBCODE ADDRESS=3)

| FIELD NAME           | BYTES |
|----------------------|-------|
| SUBCODE ADDRESS (=3) | 1     |
| PREV I DISTANCE      | 2     |
| NEXT I DISTANCE      | 2     |
| TOTAL                | 5     |

**(E)**

(SUBCODE ADDRESS=4)

| FIELD NAME           | BYTES |
|----------------------|-------|
| SUBCODE ADDRESS (=4) | 1     |
| PICTURE TYPE         | 1     |
| TEMPORAL REFERENCE   | 2     |
| RESERVED             | 1     |
| TOTAL                | 5     |

**FIG.11**

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| FIELD NAME             | BITS |
|------------------------|------|
| ANALOG VIDEO OUT       | 1    |
| ANALOG AUDIO OUT       | 1    |
| DIGITAL VIDEO OUT      | 1    |
| DIGITAL AUDIO OUT      | 1    |
| VIDEO BITSTREAM OUT    | 1    |
| AUDIO BITSTREAM OUT    | 1    |
| SUBTITLE BITSTREAM OUT | 1    |
| MUXED BITSTREAM OUT    | 1    |
| TOTAL                  | 8    |

**FIG.12****CONTENTS OF APPLICATION ID**

|      |                  |
|------|------------------|
| 0    | NO DATA          |
| 1    | COMPUTER STORAGE |
| 2    | VIDEO DISC (DVD) |
| 3~FF | RESERVED         |

**FIG.13**

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## TIME CODE FORMAT

| FIELD NAME         | BITS |
|--------------------|------|
| HOURS (2 DIGITS)   | 8    |
| MINUTES (2 DIGITS) | 8    |
| SECONDS (2 DIGITS) | 8    |
| FRAMES (2 DIGITS)  | 8    |
| TOTAL              | 32   |

FIG.14

## CONTENTS OF PICTURE TYPE

|      |           |
|------|-----------|
| 0    | I PICTURE |
| 1    | P PICTURE |
| 2    | B PICTURE |
| 3~FF | RESERVED  |

FIG.15

## CONTENTS OF ECC TYPE

|      |           |
|------|-----------|
| 0    | LONG ECC  |
| 1    | SHORT ECC |
| 2~FF | RESERVED  |

FIG.16

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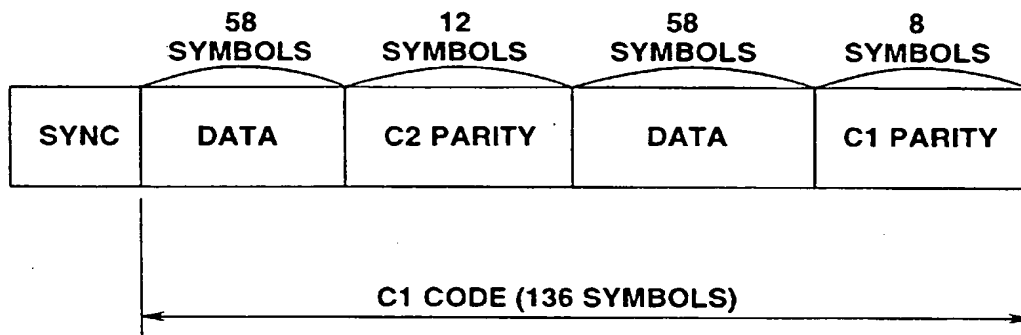


FIG.17

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0020E0" 9822560

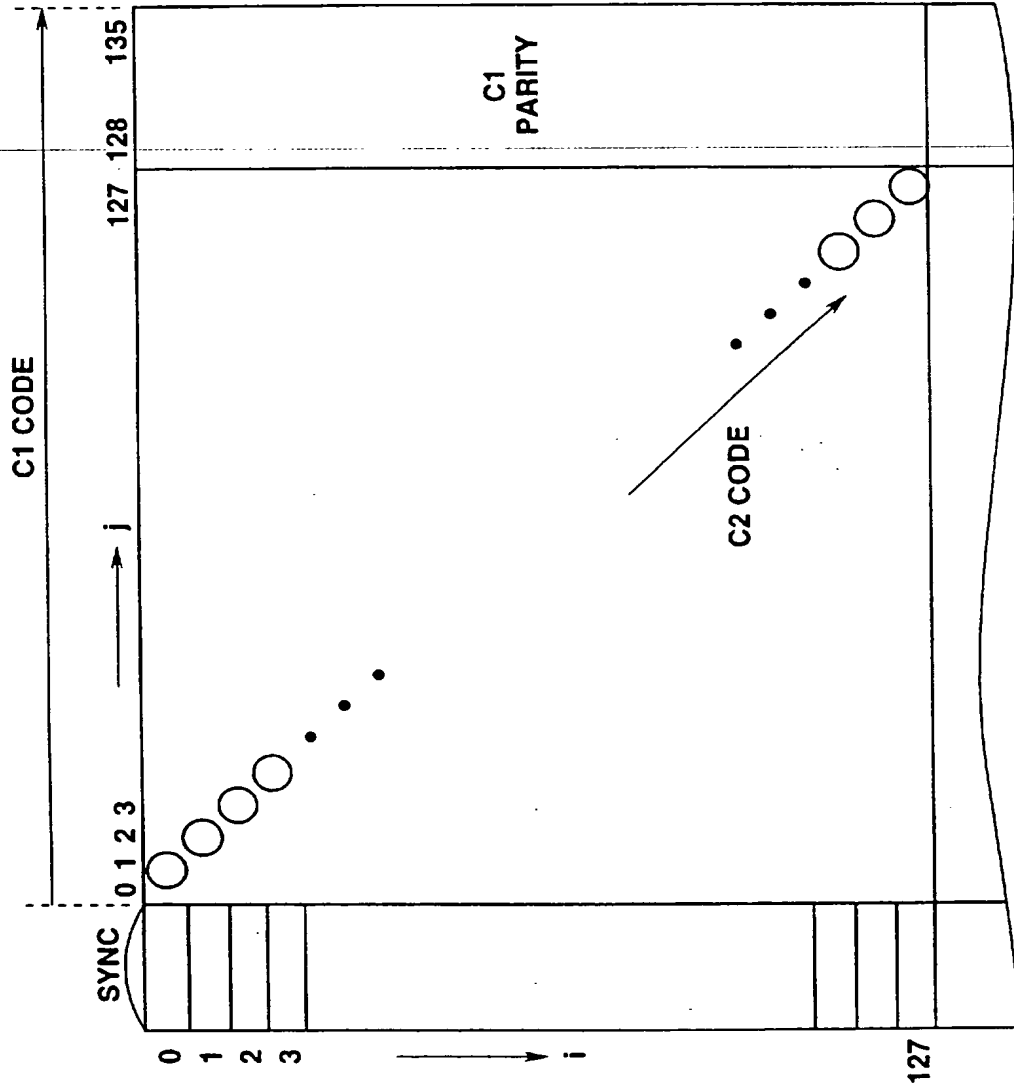


FIG.18

0020E0" 9822560

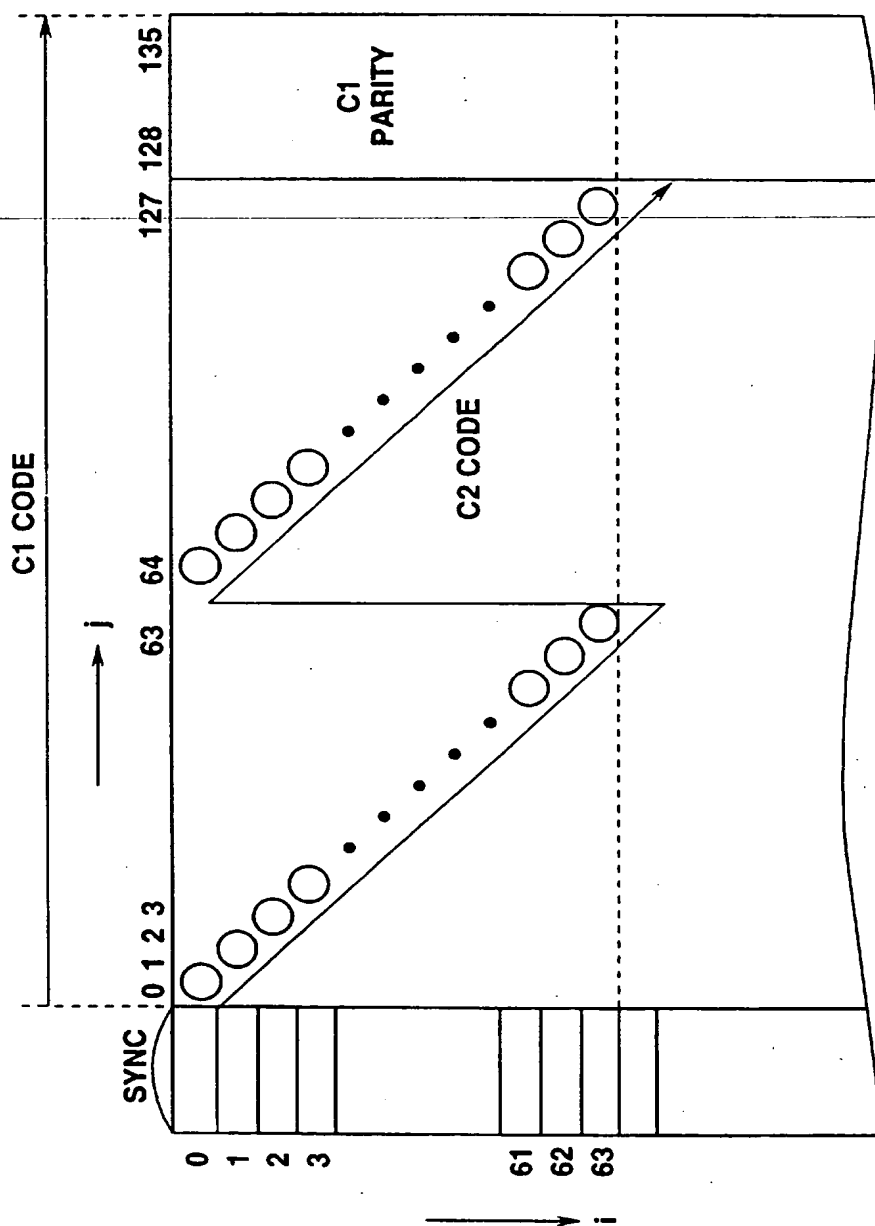


FIG.19

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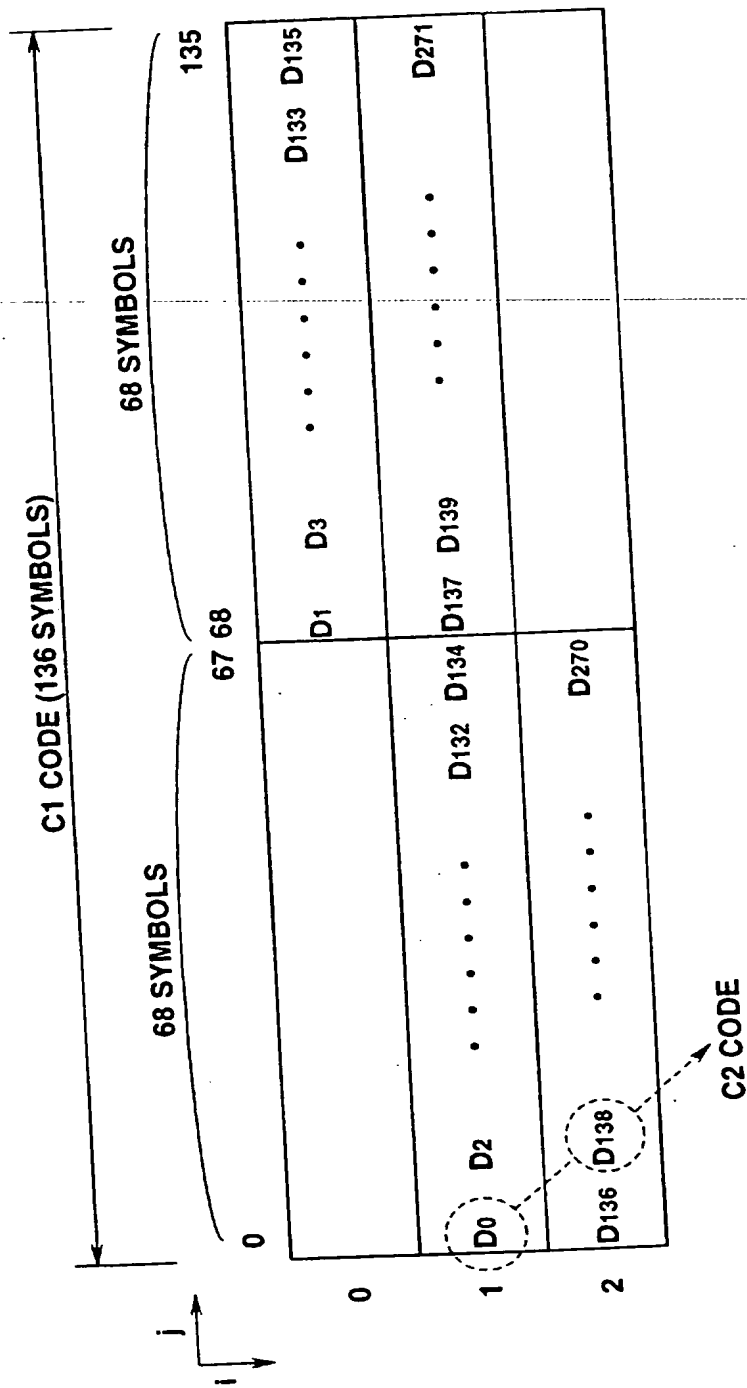
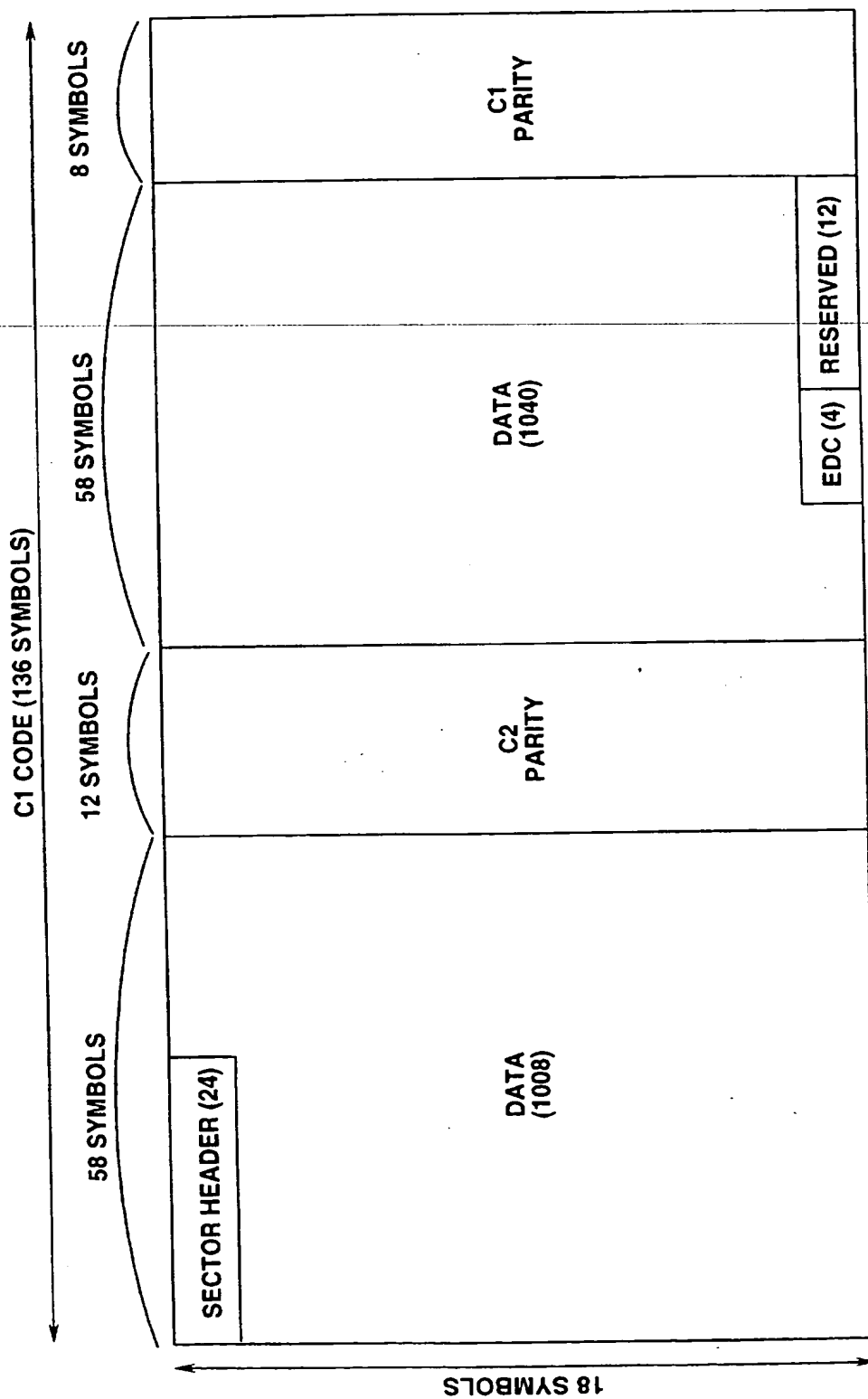


FIG.20



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**FIG. 21**

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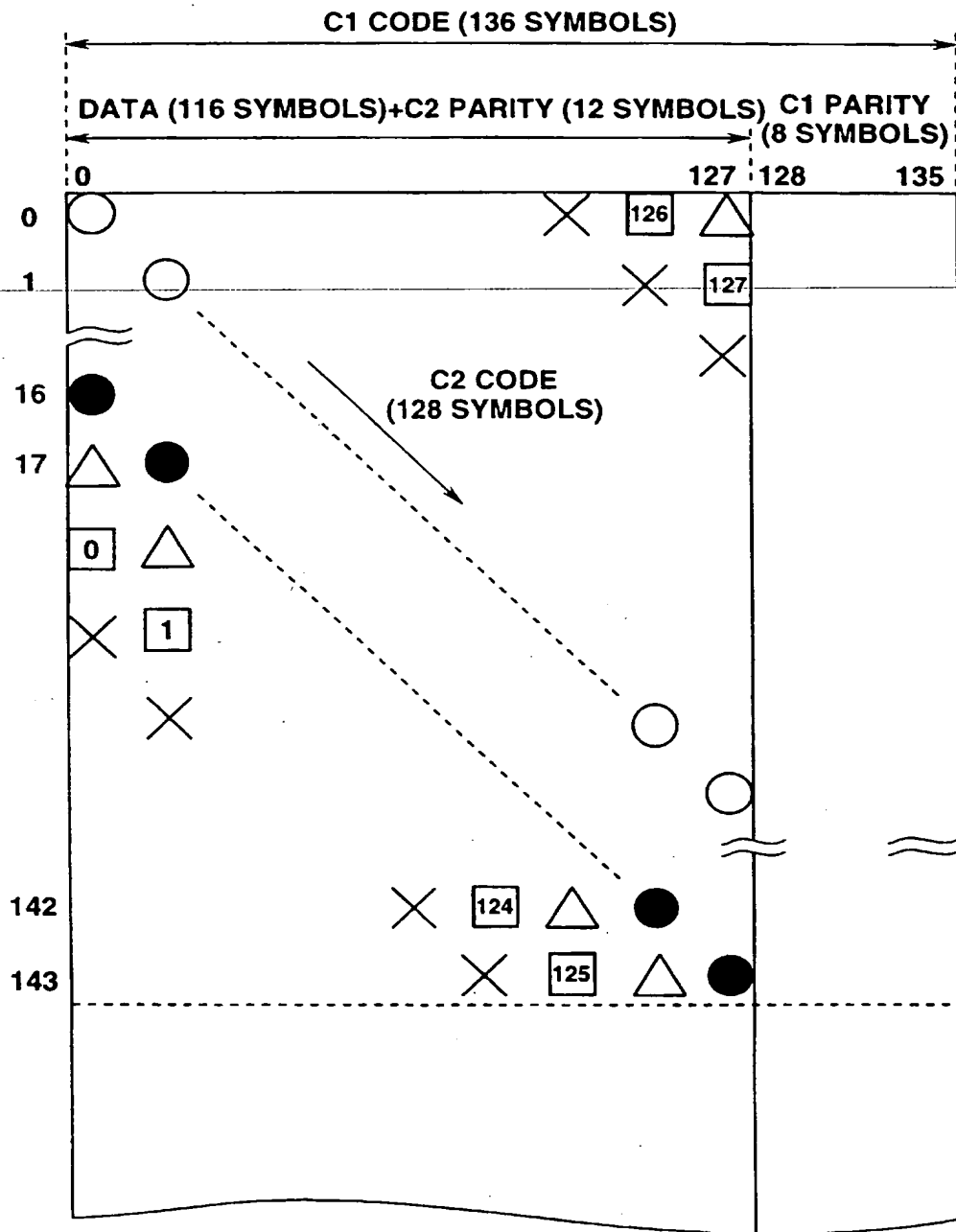
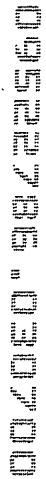


FIG.22



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00/000" 98/22560

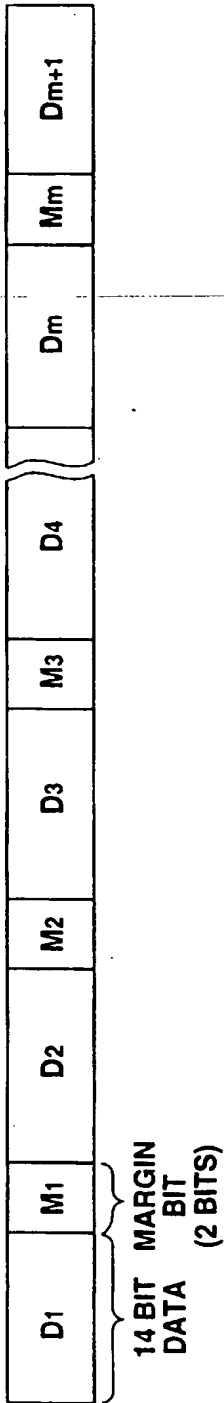


FIG.24

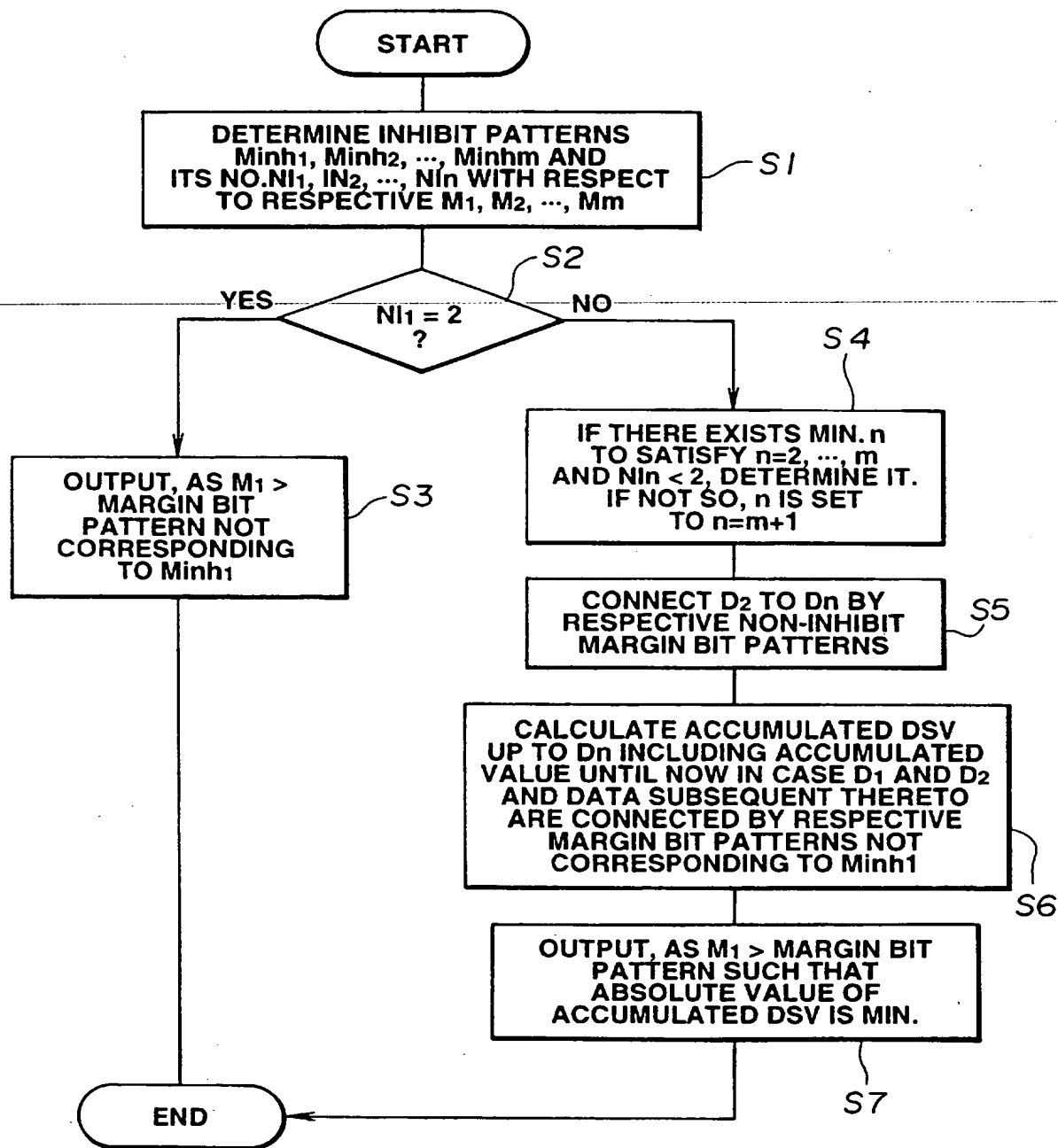


FIG.25

002020" 9822560

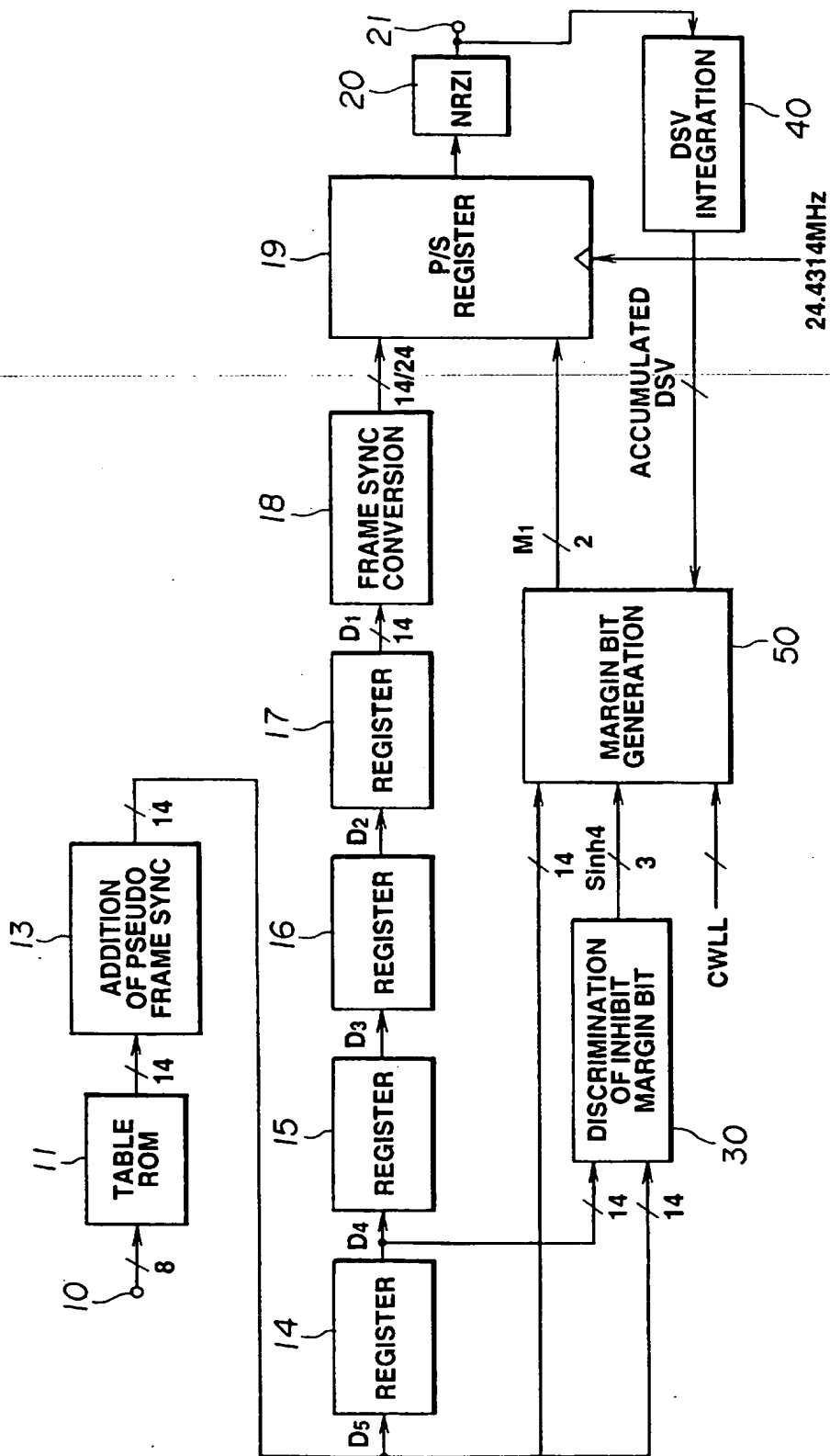


FIG.26

002020" 98422560

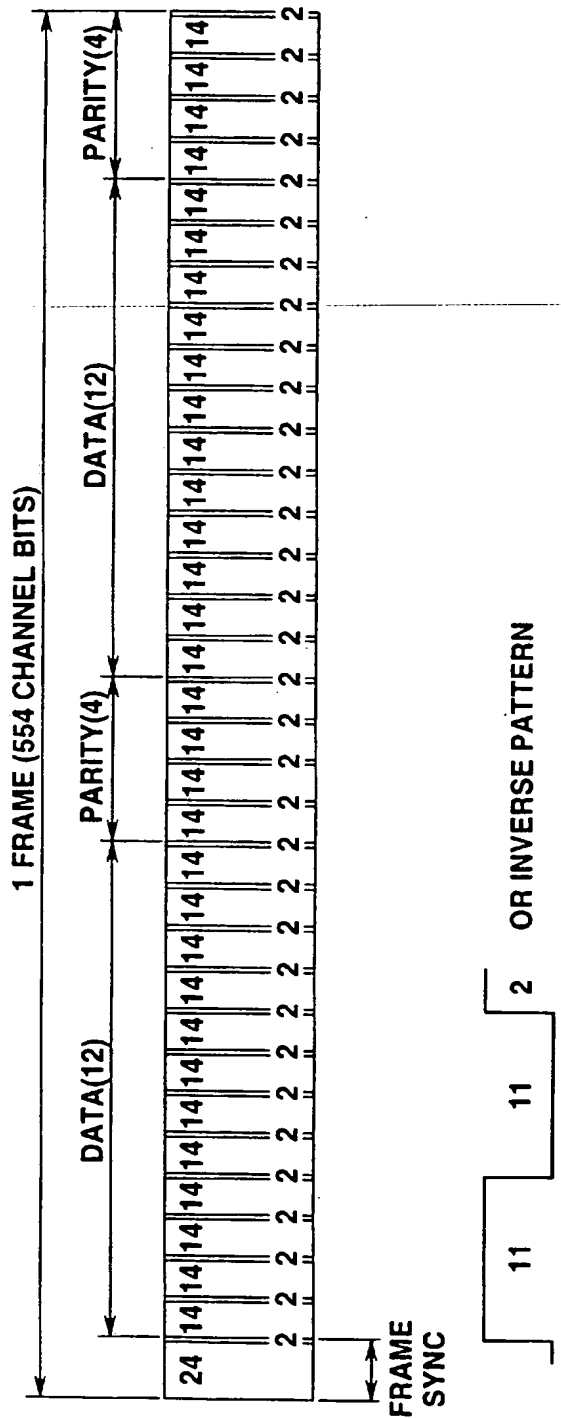


FIG.27

| 14 BIT DATA D1 |    |    |    |    |    |    |    |    |     |     |     |     |     | INHIBIT MARGIN BIT |   | 14 BIT DATA D2 |    |    |    |    |    |    |    |    |     |     |     |     |     |
|----------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|--------------------|---|----------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| C1             | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | 1                  | 2 | C1             | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | X   | 0                  | 0 | 0              | 0  | 0  | 0  | 0  | 0  | 0  | 0  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | 0  | 0  | 0  | 0  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | 0  | 0  | 0  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | 0  | 0  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | 0  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   | 0   |                    |   | 0              | 0  | 0  | X  | X  | X  | X  | X  | X  | X   | X   | X   | X   |     |
| X              | X  | X  | X  | X  | X  | X  | X  |    |     |     |     |     |     |                    |   |                |    |    |    |    |    |    |    |    |     |     |     |     |     |

**FIG. 28**



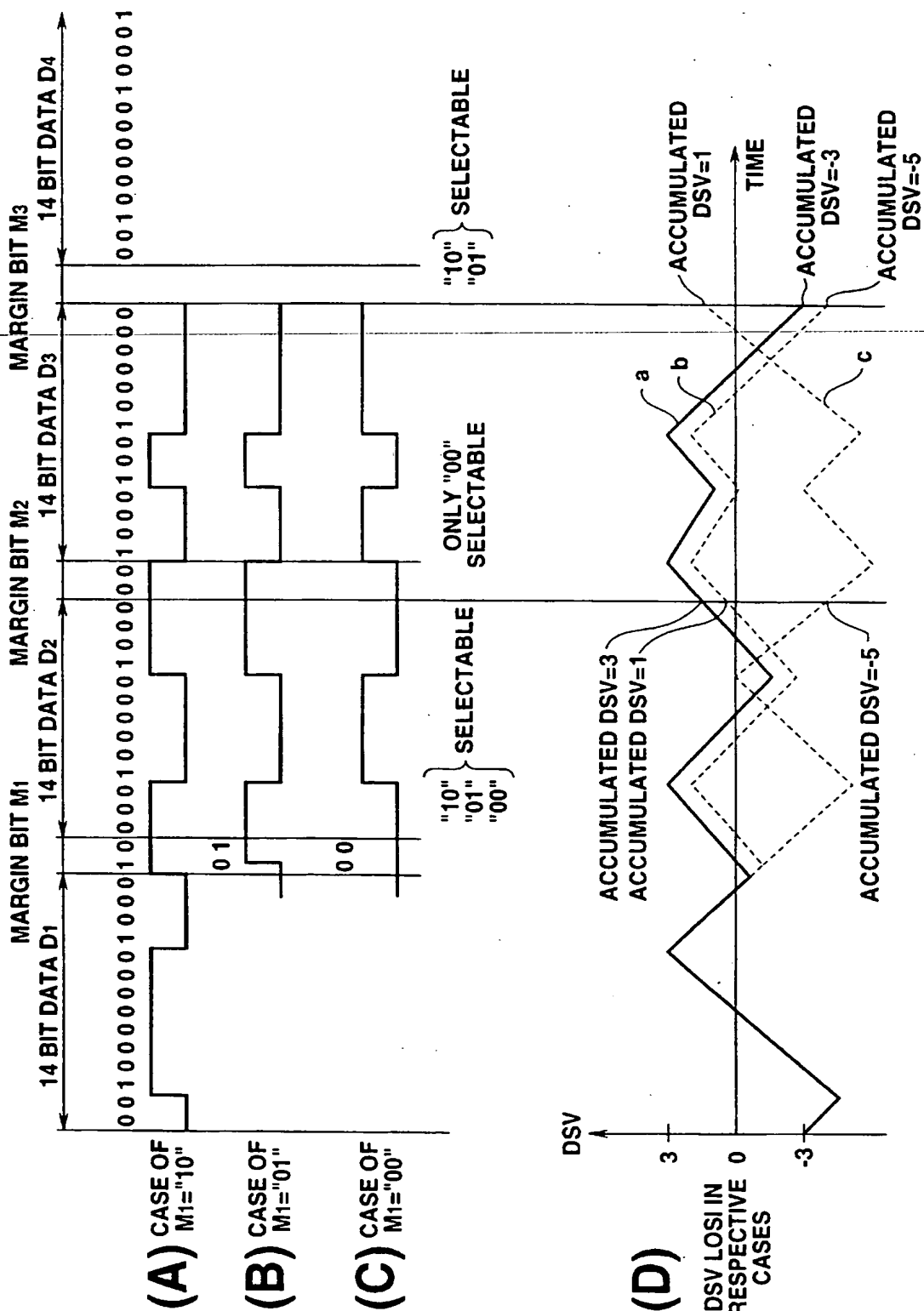
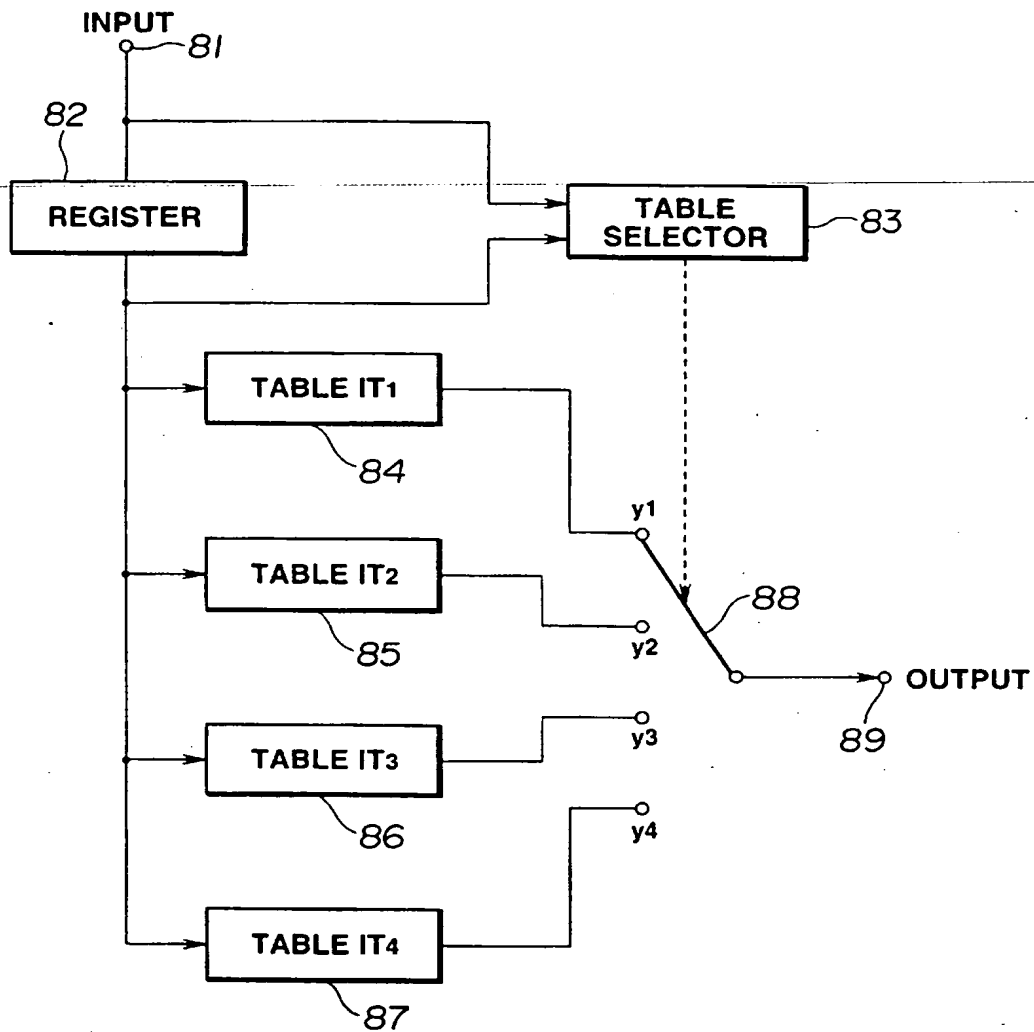


FIG.29



**FIG.31**

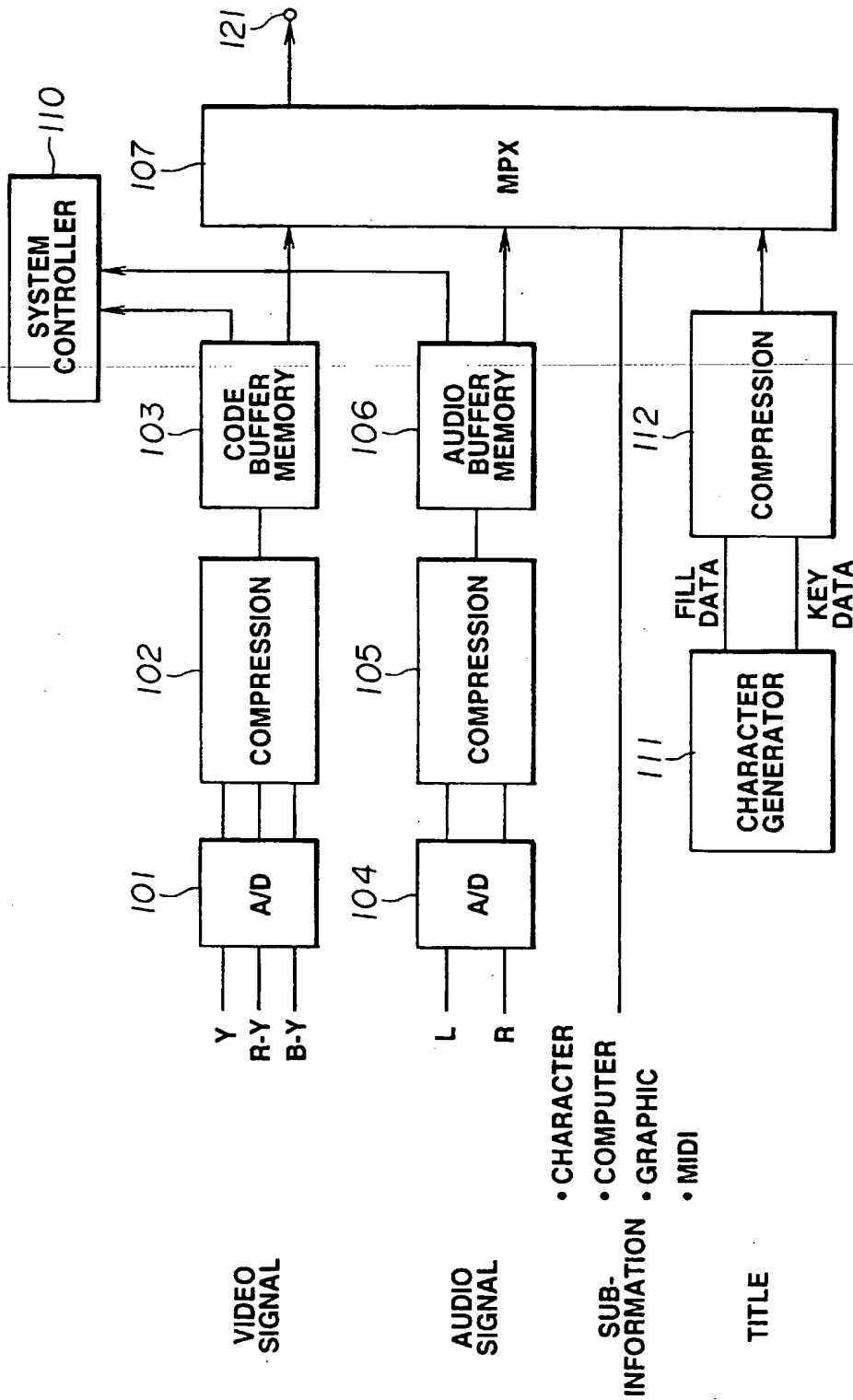


FIG.32

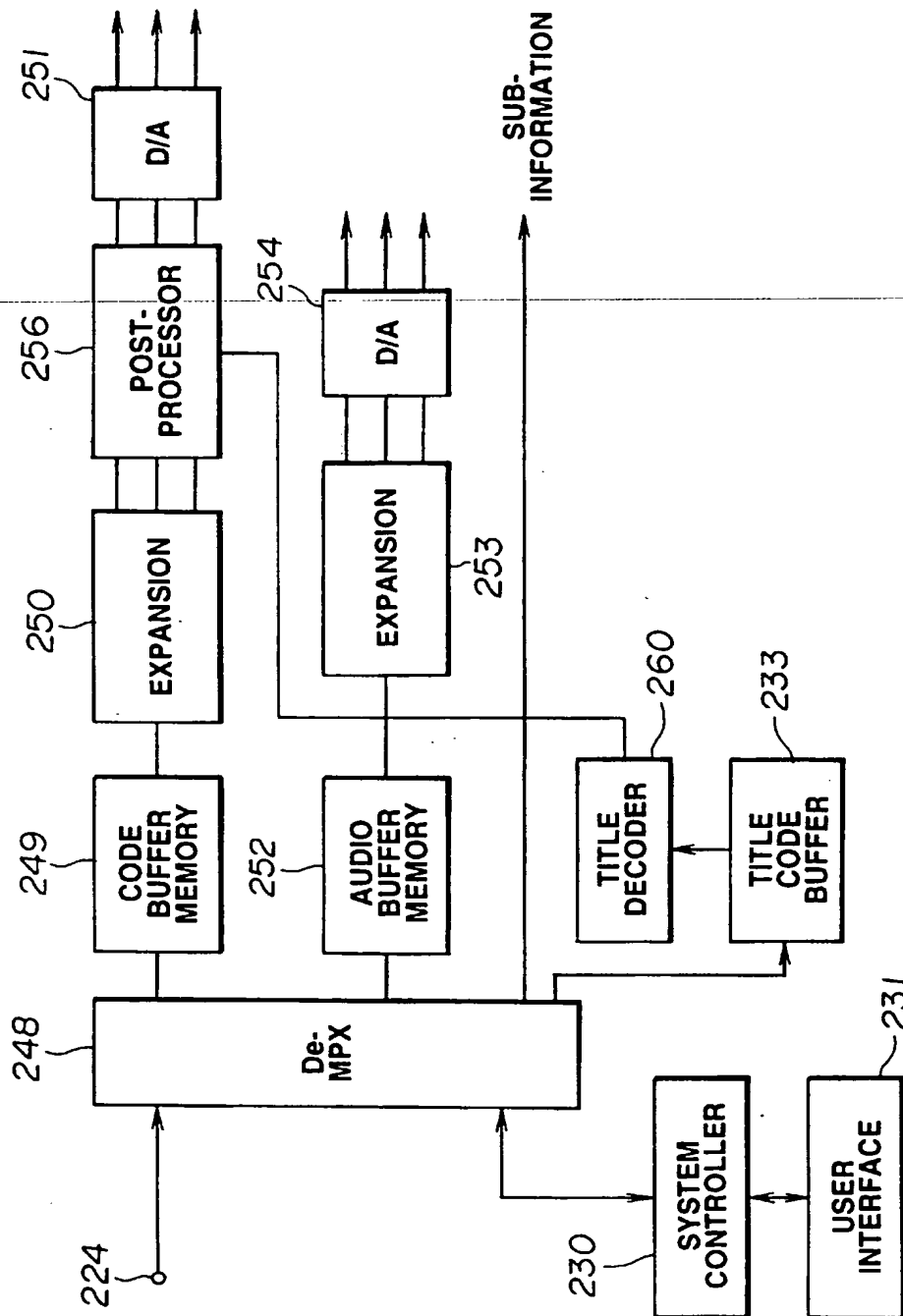


FIG.33

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